



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:** Zengerle  
**Serial No.:** 09/936,881  
**Filed:** 12/31/2001

**Docket No. :** SCH00097  
**Art Unit:** 1744  
**Examiner:** Not Assigned

**Title: FLUID MANAGEMENT APPARATUS WITH FORMAT CONVERSION**

**Date:** January 14, 2004

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- (X) under 37 CFR 1.97(b), or  
(within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- ( ) under 37 CFR 1.97(c) together with either a:  
( ) Certification under 37 CFR 1.97(e), or  
( ) a \$220.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ( ) under 37 CFR 1.97(d) together with a:  
( ) Certification under 37 CFR 1.97(e), and  
( ) a \$220.00 fee under 37 CFR 1.17(d)(2)(ii), and  
( ) a \$130.00 petition fee set forth in 37 CFR 1.17(i)(1)  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

(X) The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 07-1445 (Order No. SCHO-0097). A copy of this sheet is enclosed for accounting purposes.

(X) Applicant(s) submit herewith Form PTO 1449 -- Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.25.



Attorney Docket No. SCHO0097

JAN 14 2004

A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 156(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

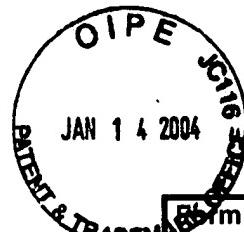
It is requested that the information disclosed herein be made of record in this application.

Respectfully Submitted,



Michael A. Glenn  
Attorney For Applicant  
Reg. No. 30,176

Customer No. 22862



Form 1449

Information Disclosed  
Statement By Applicant

(Use Several Sheets if Necessary)

Atty Docket No.  
SCHO0097  
Applicant:  
Zengerle  
Filing Date  
12/31/2001Serial No.:  
09/936,881  
Group  
1744

## U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	5,100,627	3/31/1992	Buican, et al	422	108	11/30/1989
	B	5,508,200	4/16/1996	Tiffany, et al	436	44	10/29/1992
	C	5,593,290	1/14/1997	Greisch, et al	417	478	12/22/1994

## Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	D	337189	9/30/2003	JP				X
	E	62-69139	3/30/1987	JP	G01N	1/00		X
	F	4-251750	9/08/1992	JP	B41J	2/045		X
	G	4-503249	5/31/1990	JP	G01N	27/32		X
	H	5-240872	9/21/1993	JP	G01N	35/08		X
	I	8-233710	9/13/1996	JP	G01N	1/36		X
	J	9-504864	5/04/1995	JP	G01N	33/543		X
	K	11-247763	9/14/1999	JP	F04B	43/06		X
	L	2000-509651	8/27/1998	JP	B05B	12/00		X
	M	2001-520380	4/22/1999	JP	G01N	33/00		X
	N	98/36832	8/27/1998	WO	B01L	3/02		X
	O	98/51999	11/19/1998	WO	G01D	15/14		X

## Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents, IDS Dept., M/S 1450, P.O. Box 1450, Alexandria, VA 22313-1450

Rhonda Dunn

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Zengerle	)	Examiner: Unassigned
Serial No. 09/936,881	)	Art Unit: 1744
Filed: 12/31/2001	)	January 14, 2004
Fluid Management Apparatus with Format Conversion	)	

TRANSMITTAL FORM

Commissioner of Patents  
Mail Stop IDS  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed are the following documents:

- Information Disclosure Statement, 1449 form and cited references; and
- Postcard

Respectfully submitted,

Michael A. Glenn  
Reg. No. 30,176

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